

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231**

Inventor: **Yutaka Doi**

Serial No: **Div. of 09/752,408**

Filed: **December 28, 2000**

For: **Layered Circuit Boards and  
Methods of Production  
Thereof**

Examiner: **Jeffrey Gaffin**

Art Unit: **2841**

**PRELIMINARY AMENDMENT**

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Mr. Gaffin:

Please enter the following preliminary amendment:

**IN THE CLAIMS**

Please cancel all pending claims and add the following claims addressing subject matter that was subject to a restriction requirement in application serial number 09/752,408:

14. (Added) A method for producing an electronic component, comprising:  
providing a substrate layer;  
providing a solid, substantially planar optical wave-guide; and  
laminating the solid, substantially planar optical wave-guide onto the substrate layer.
15. (Added) The method of claim 14, wherein at least one of a laminating material or a cladding material is coupled to the wave-guide.
16. (Added) The method of claim 15, wherein at least one of an additional layer is coupled to the laminating material or the cladding material.

17. (Added) The method of claim 14, wherein providing the optical wave-guide comprises etching or molding a silicon-based material to produce the wave-guide.
18. (Added) The method of claim 14, wherein the substrate comprises at least two layers of materials.
19. (Added) The method of claim 18, wherein the at least two materials comprises silica wafers, dielectric materials, adhesive materials, resins, metals, metal alloys, and composite materials.
20. (Added) The method of claim 14, wherein the wave-guide is a silicon-based material.

#### **IN THE SPECIFICATION**

Insert the following before "Field of the Invention":

This application is a divisional of pending application Serial Number 09/752,408, filed December 28, 2000.

#### **REMARKS**

No new matter was added by this preliminary amendment.

Please use H0001800 DIV (4960) as the docket number for this application.

**REQUEST FOR ALLOWANCE**

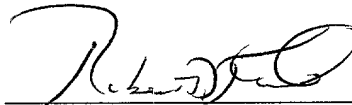
Claims 14-20 are pending in this application. The applicants request allowance of all pending claims.

Respectfully submitted,

Fish & Associates, LLP

Dated: October 18, 2001

By: \_\_\_\_\_



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